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TECH CENTER 1600 2900 Patent
Attorney's Docket No. 022701-879



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Michel COSTANTINI et al.) Group Art Unit: 1623
Application No.: 09/623,414) Examiner: Chaudhry, M.
Filed: November 8, 2000)
For: METHOD FOR SEPARATING AND)
PURIFYING ADIPIC ACID)

AMENDMENT/REPLY TRANSMITTAL LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is a reply for the above-identified patent application.

- ☒ A Petition for Extension of Time is also enclosed.
- ☐ A Terminal Disclaimer and a check for ☐ \$55.00 (248) ☐ \$110.00 (148) to cover the requisite Government fee are also enclosed.
- ☐ Also enclosed is _____.
- ☐ Small entity status is hereby claimed.
- ☐ Applicant(s) request continued examination under 37 C.F.R. § 1.114 and enclose the ☐ \$355.00 (279) ☐ \$710.00 (179) fee due under 37 C.F.R. § 1.17(e).
- ☐ Applicant(s) previously submitted __, on __, for which continued examination is requested.
- ☐ Applicant(s) request suspension of action by the Office until at least __, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.
- ☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (146/246) is also enclosed.
- ☐ No additional claim fee is required.
- ☒ An additional claim fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims	22	MINUS 20 =	2	· \$18.00 (103) =	36.00
Independent Claims	1	MINUS 3 =	0	· \$80.00 (102) =	-0-
If Amendment adds multiple dependent claims, add \$270.00 (104)					-0-
Total Amendment Fee					36.00
If small entity status is claimed, subtract 50% of Total Amendment Fee					-0-
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					\$36.00

☐ A claim fee in the amount of \$_____ is enclosed.

☒ Charge \$ 36.00 to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: _____

Nhat D. Phan

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703/836-6620

Date: July 2, 2001



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In re Patent Application of)
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Application No.: 09/623,414) Examiner: Chaudhry, M.
Filed: November 8, 2000)
For: METHOD FOR SEPARATING AND)
PURIFYING ADIPIC ACID)

FIRST REPLY AND AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Official Action dated January 30, 2001, Applicants submit the following amendments and remarks.

IN THE CLAIMS:

Please amend claims 1, 5, 12, 14, and 15 as follows:

1. **(Twice Amended)** A process for treating the reaction mixture resulting from the direct oxidation of cyclohexane to adipic acid with molecular oxygen in an organic solvent in the presence of a catalyst, said process comprising:

(a) separating the reaction mixture into two liquid phases by settling to form an upper phase comprising cyclohexane, and a lower phase comprising an organic solvent, diacids formed during the oxidation reaction, a catalyst and a portion of other reaction products and unconverted cyclohexane;